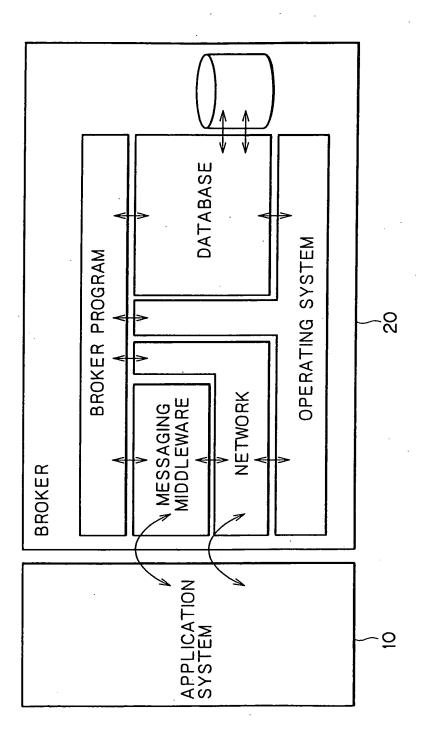


F I G. 2



APPLICATION SYSTEM APPLICATION SYSTEM 9 9 MESSAGE OPERATION MESSAGE TRANSMISSION PATH DETERMINATION MESSAGE RELIABILITY ASSURANCE MESSAGE CONVERSION RECOVERY 8 SECURITY MESSAGE TRANSMISSION DESTINATION MANAGEMENT SERVICE APPLICATION APPLICATION SYSTEM SYSTEM 9 9

F G 3

MESSAGE TRANSMISSION
ASYNCHRONOUS MESSAGE TRANSMITION
SYNCHRONOUS MESSAGE TRANSMISSION
BULK DATA TRANSMISSION

MESSAGE TRANSMITION PATH DETERMINATION
DELIVERY BY DESTINATION
MESSAGE SEQUENCE RETENTION
MULTIPLE DESTINATIONS
PUBLICATION/SUBSCRIPTION
WORK FLOW
MESSAGE TRANSLATION SUPPORT
DELIVERY BY CONTENT

DESTINATION MANAGEMENT SERVICE DESTINATION MANAGEMENT SERVICE

MESSAGE RELIABILITY ASSURANCE
NOTIFICATION
TRANSACATION STATUS MANAGEMENT

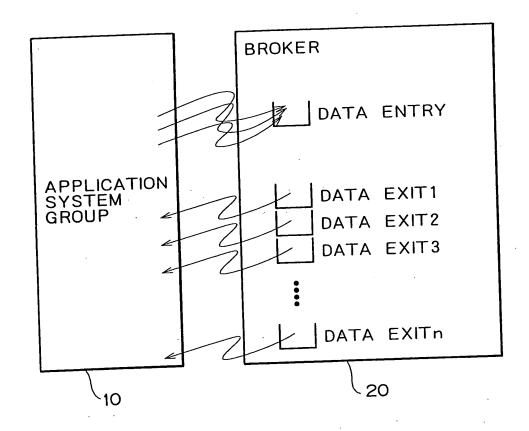
F | G. 4

MESSAGE OPERATION
PRIORITY SEQUENCE
TIME-DESIGNATED TRANSMISSION
COMPRESSION
APPLICATION ACTIVATION
LOAD DISTRIBUTION
COMMUNICATION STATUS CHECK
GROUPING
PERIOD OF VALIDITY
COMMIT/ROLLBACK

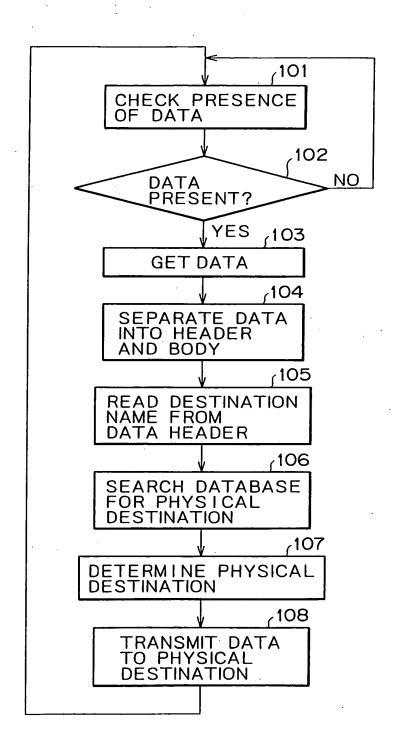
MESSAGE CONVERSION CHARACTER CODE CONVERSION MESSAGE TRANSFER LAYOUT CONVERSION

SECURITY VERIFICATION AUTHORIZATION ENCRYPTION RECOVERY
EVENT HISTORY RETENTION
EVENT NOTIFICATION
MESSAGE HISTORY RETENTION
MONITORING
AUTOMATIC MESSAGE RETRANSMISSION

F I G. 5



F I G. 6



*z.* '

